

COMMISSIONER OF PATENTS AND TRADEMARKS  
Washington, D.C. 20231

FORM PTO-1449 (Modified)  
LIST OF PATENTS AND PUBLICATIONS  
FOR APPLICANT'S INFORMATION DISCLOSURE STATEMENT  
(Use several sheets if necessary)  
Sheet 1 of 6

In the Application of ABRAHAM et al.

Serial No.: Not Yet Assigned

Art Unit: Unassigned

Filed: Even Date Herewith

Examiner: Unassigned

Title: HYDROGEL FORMULATIONS FOR USE IN ELECTROOSMOTIC EXTRACTION  
AND DETECTION OF GLUCOSE (as amended herein; previously "Hydrogel Patch")

U.S. PATENT DOCUMENTS

Exam Init.	Ref. Desig.	Document No.	Date	Name	Class	Sub- Class	Filing Date
<i>SA</i>	AA-1	4,020,830	May 3, 1977	Johnson et al.			
	AA-2	4,406,827	September 27, 1983	Carim			
	AA-3	4,492,622	January 8, 1985	Kuypers			
	AA-4	4,684,558	August 4, 1987	Keusch et al.			
	AA-5	4,702,732	October 27, 1987	Powers et al.			
	AA-6	4,706,680	November 17, 1987	Keusch et al.			
	AA-7	4,722,726	February 2, 1988	Sanderson et al.			
	AA-8	4,722,761	February 2, 1988	Cartmell et al.			
	AA-9	4,731,049	March 15, 1988	Parsi			
	AA-10	4,777,954	October 18, 1988	Keusch et al.			
	AA-11	4,968,297	November 6, 1990	Jacobsen et al.			
	AA-12	4,989,607	February 5, 1991	Keusch et al.			
<i>SA</i>	AA-13	5,036,861	August 6, 1991	Sembrowich et al.			

Examiner: *SA*

Date Considered: *9/24/04*

EXAMINER: Initial if citation considered whether or not the citation conforms with MPEP609. Draw a line through the citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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59	AA-14	5,037,380	August 6, 1991	Jacobsen et al.			
	AA-15	5,057,072	October 15, 1991	Phipps			
	AA-16	5,069,908	October 3, 1991	Henley			
	AA-17	5,076,273	December 31, 1991	Schoendorfer et al.			
	AA-18	5,134,057	July 28, 1992	Kuypers et al.			
	AA-19	5,140,985	August 25, 1992	Schroeder et al.			
	AA-20	5,143,071	September 1, 1992	Keusch et al.			
	AA-21	5,151,758	October 6, 1992	Kaetsu et al.			
	AA-22	5,205,297	April 27, 1993	Montecalvo et al.			
	AA-23	5,279,543	January 18, 1994	Glikfeld et al.			
	AA-24	5,291,887	March 8, 1994	Stanley et al.			
	AA-25	5,330,527	April 26, 1993	Montecalvo et al.			
	AA-26	5,340,722	August 23, 1994	Wolfbeis et al.			
	AA-27	5,354,790	October 11, 1994	Keusch et al.			
	AA-28	5,362,307	November 8, 1994	Guy et al.			
59	AA-29	5,362,308	November 8, 1994	Chen et al.			

Examiner: 

Date Considered: 9/24/84

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390	AA-30	5,405,366	April 11, 1995	Fox et al.			
	AA-31	5,428,123	June 27, 1995	Ward et al.			
	AA-32	5,651,869	July 29, 1997	Yoshioka et al.			
	AA-33	5,735,273	April 7, 1998	Kurnik et al.			
	AA-34	5,771,890	June 30, 1998	Tamada			
	AA-35	5,786,216	July 28, 1998	Dionne et al.			
	AA-36	5,827,183	October 27, 1998	Kurnik et al.			
	AA-37	5,954,685	September 21, 1999	Tierney			
	AA-38	5,965,380	October 12, 1999	Heller et al.			
	AA-39	5,989,409	November 23, 1999	Kurnik et al.			
	AA-40	6,083,710	July 4, 2000	Heller et al.			
	AA-42	6,121,009	September 19, 2000	Heller et al.			
	AA-43	6,139,718	October 31, 2000	Kurnik et al.			
	AA-44	6,162,611	December 19, 2000	Heller et al.			
390	AA-45	6,299,578	October 9, 2001	Kurnik et al.			

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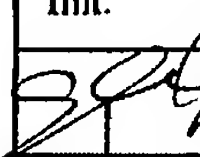

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FOREIGN PATENT DOCUMENTS

Exam. Init.	Ref. Desig.	Document No.	Publication Date	Country or Patent Office	Class	Sub- Class	Translation YES NO	
	AB-1	EP 0 304 304	February 22, 1989	EPO				
	AB-2	WO 92/07619	May 14, 1992	PCT				
	AB-3	WO 92/10234	June 25, 1992	PCT				
	AB-4	WO 93/10163	May 27, 1993	PCT				
	AB-5	WO 95/02357	January 26, 1995	PCT				
	AB-6	WO 96/00109	January 4, 1996	PCT				
	AB-7	WO 96/00110	January 4, 1996	PCT				
	AB-8	WO 97/24059	July 19, 1997	PCT				

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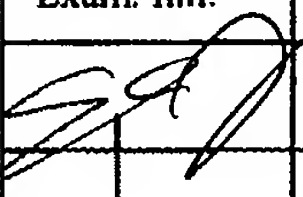

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OTHER DOCUMENTS (including Author, Title, Date, Pertinent Pages, etc.)

Exam. Init.	Ref. Desig.	Description
	AC-1	Abstract of JP 56137899,. Published 10/28/81
	AC-2	Albin et al., "Theoretical and Experimental Studies of Glucose Sensitive Membranes," <i>Journal of Controlled Release</i> <u>6</u> :267-291 (1987)
	AC-3	Allcock et al., "Activity of Urea Amidohydrolase Immobilized Within Poly[di(methoxyethoxyethoxy)phosphazene] Hydrogels," <i>Biomaterials</i> <u>15</u> (7):502-506 (1994)
	AC-4	Asakura et al., "Immobilization of Glucose Oxidase on Nonwoven Fabrics with Bombyx mori Silk Fibroin Gel," <i>Journal of Applied Chemistry</i> <u>46</u> (1):49-53 (1992)
	AC-5	D'Urso et al., "Poly(ethylene glycol)-Serum Albumin Hydrogel as Matrix for Enzyme Immobilization: Biomedical Applications," <i>Art. Cells. Blood Subs., and Immob. Biotech.</i> <u>23</u> (5):587-595 (1995)
	AC-6	Glikfeld et al., "Noninvasive Sampling of Biological Fluids by Iontophoresis," <i>Pharm. Res. (US)</i> <u>6</u> (11):988-990 (1989)
	AC-7	Heller et al., "Controlled Drug Release by Polymer Dissolution II: Enzyme-mediated Delivery Device," <i>J. Pharmaceut. Sci.</i> <u>68</u> (7):919-921 (1979)
	AC-8	Kalisz, H. M., et al., "Purification of the Glycoprotein Glucose Oxidase From <i>Penicillium amagasakiense</i> by High-Performance Liquid Chromatography," <i>Journal of Chromatography</i> <u>521</u> :245-250 (1990)
	AC-9	Kost et al., "Glucose Sensitibe Membranes Containing Glucose Oxidase: Activity, Swelling, and Permeability Studies," <i>J. Biomed. Materials Res.</i> <u>19</u> (9):1117-1133 (1985)

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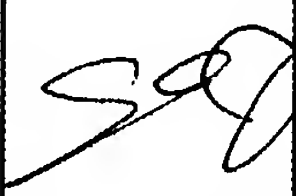
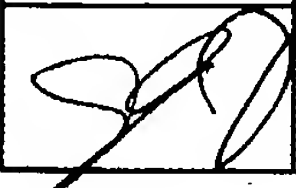
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	AC-10	Meyerhoff et al., "On Line Continuous Monitoring of Subcutaneous Tissue Glucose in Men by Combining Portable Glucosensor with Microdialysis," <i>Diabetologia (Germany)</i> <u>35</u> (11):1087-1092 (1992)
	AC-11	Welfle, Dr. K., et al., "Glucose Oxidase of <i>Penicillium notatum</i> . Purification, Stability and Hydrodynamic Properties," <i>Studia Biophysica</i> <u>138</u> (3):245-260 (1990).

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In the Application of ABRAHAM et al.

Serial No.: 10/664,467

Art Unit: Unassigned

Filed: September 17, 2003

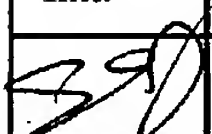
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Title: HYDROGEL FORMULATIONS FOR USE IN ELECTROOSMOTIC EXTRACTION  
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U.S. PATENT DOCUMENTS

Exam Init.	Ref. Desig.	Document No.	Date	Name	Class	Sub- Class	Filing Date

FOREIGN PATENT DOCUMENTS

Exam. Init.	Ref. Desig.	Document No.	Publication Date	Country or Patent Office	Class	Sub- Class	Translation YES NO
	BB-1	EP 0 539 625	May 5, 1993	EPO			

OTHER DOCUMENTS (including Author, Title, Date, Pertinent Pages, etc.)

Exam. Init.	Ref. Desig.	Description
	BC-1	Lesho, Matthew J., et al., "A Photopatterned Glucose Responsive Hydrogel for Use in a Conductimetric Sensor", Materials Research Society Symposium Proceedings, 1994, Vol. 331, pages 1993-198

Examiner: 

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